

MKTechHD Scart Stick



- Provides SD via Scart and HD via HDMI
- Extremely fast tuner with Blindscan function
- Exceptionally fast channel switching times
- Internet services accessible through an Ethernet connection
- Shipped with a very up-to-date satellite list



A Scart Receiver in the HD Age

When the new MKTechHD Scart Stick arrived in our test center, we looked at it and said „not bad“. When we took a closer look at it, we realized that MKTech has marketed a sleek combination of proven design with modern technology.

The receiver is merely 14 x 8 x 3 cm in size; it comes with a Scart connector that can be adjusted in any direction making it easy to hide behind any TV. The Scart jack holds it firmly in place.

For HDTV, MKTech naturally also included an HDMI output. Additionally, there's also a tuner input, an RJ-45 network jack, a USB 2.0 port, a coaxial S/PDIF output as well as a power jack for the 12V power supply.

An external IR receiver for remote control signals can be plugged in to the jack next to the RS-232 interface. The array of connections is topped off by an internal card reader that, surprisingly, also lets you

use this receiver with PayTV services.

The power supply included by the manufacturer is rated for 100 - 240V 50/60Hz and therefore allows this receiver to be used anywhere in the world. The included remote control sits very comfortably in your hand thanks in part to the slip-resistant surface on the back.

The buttons have a good feel to them and are arranged in an organized fashion

although the PVR buttons located near the bottom are rather small making them a little harder to work with. Nevertheless, the workmanship of this new MKTech receiver left us with an overall very good impression.

The HD Scart Stick does not come with an installation assistant but it does ask you to select the desired OSD language when it's turned on for the first time.

Before we match the receiver to the antenna on our roof, we first want to select the proper video output signal for our TV. The Scart connection can provide both the CVBS and RGB modes whereby the RGB output has a direct influence on the



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HDMI output. Once activated, the only available output signal in RGB is in 576i.

Once the Scart output is switched to CVBS, the user can then choose between 576i, 576p, 720p, 1080i 50 Hz as well as 1080p (24, 25 and 50 Hz).

We appreciated the HD Scart Stick's preprogrammed satellite and transponder list as well as the vast settings capabilities that we found in the installation menu. It's rare for a receiver to show up here in our test lab with such up-to-date preprogrammed data; a total of 54 satellite entries are available. Thanks to the support of all the DiSEqC protocols (1.0, 1.1, 1.2 and 1.3), the HD Scart Stick can be used with a standard multifield antenna, a multifocus system as well as with a motorized antenna. MKTech even thought about SCR single-cable solutions as well as a manually selectable LOF so that even unusual oscillator frequencies are supported.

To fill up the channel list there are multiple search modes available, namely, single satellite, multi-satellite, Blindsat, transponder and multi-transponder. This lets you scan single or multiple satellites/transponders in a single breath.

We really liked the HD Scart Stick's Blindsat function; the manufacturer definitely put some effort in here. In the first step the Blindsat function searches the currently selected satellite for any and all active transponders and compares those that are found to the entries in the preprogrammed transponder list.

In our test scan of HOT-BIRD 13° east all of the current entries were confirmed in just 84 seconds. Even a new transponder were found.

In the next step, the Blindsat function performs a standard scan of all the preprogrammed transponders. And it does this in a blin-

dly fast 3 minutes and 50 seconds! In that short time it found 1512 TV and 529 radio channels on HOTBIRD 13° east.

From a timing point of

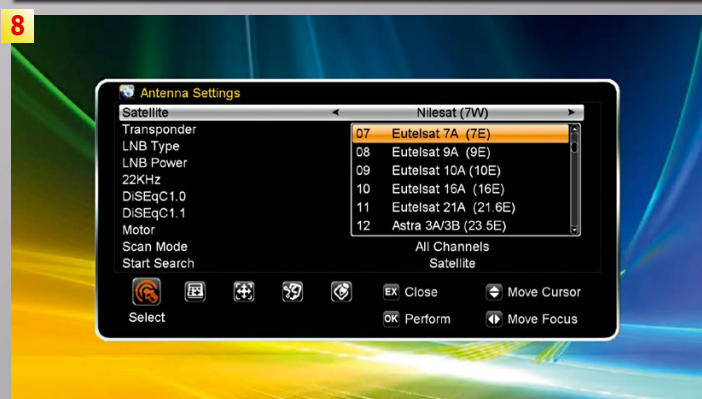
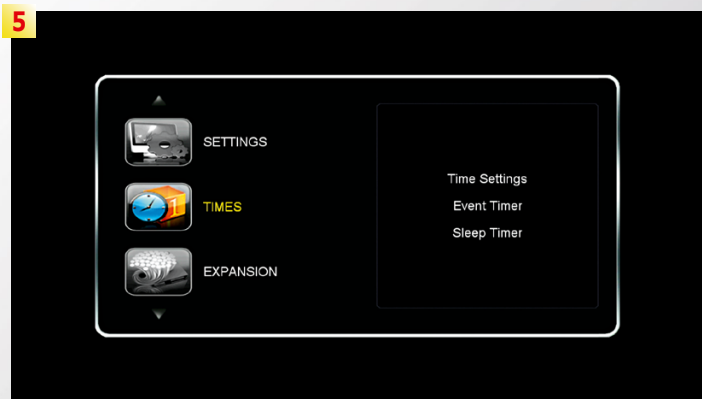
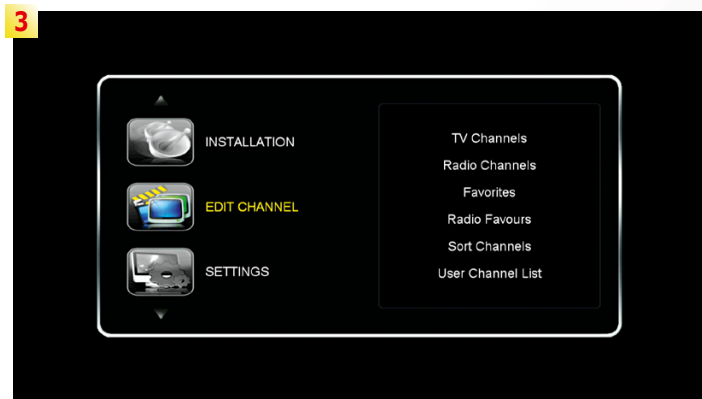
view, the difference between the Blindsat and a normal scan was those 84 seconds needed to check the transponder list. Because of the new transponder that was

found during the Blindsat, a total of 1518 TV channels and 534 radio stations were found instead.

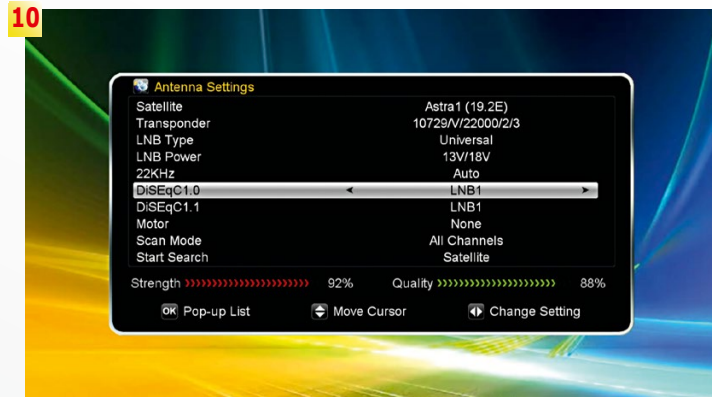
If you want to put limits on the number of entries in the channel list right from the beginning, you have a choice of search modes: All, FTA, HD, SD, TV, Radio, FTA TV and FTA Radio. We especially liked the HD search mode; it only searches for high qual-

ity channels and thus prevents the channel list from being stuffed with large numbers of SD channels.

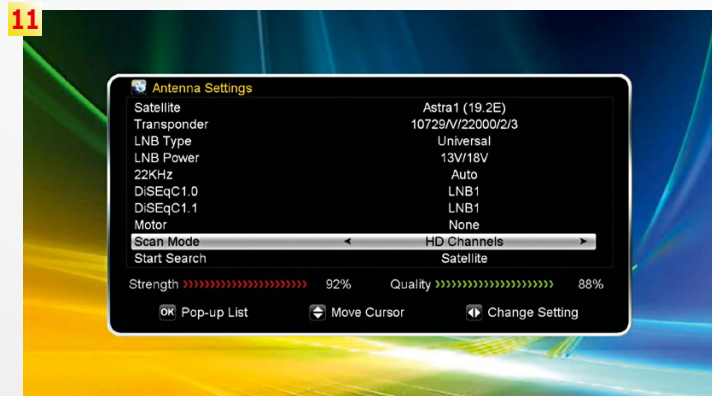
The HD Scart Stick's satellite and transponder entries can easily be edited. We appreciated the fact that the receiver doesn't pester the user by asking what modulation method is being used. Instead, it automatically rec-



1. Turning on the receiver for the first time takes you to the language selection
2. Installation menu
3. Channel list editing
4. System settings
5. Time settings
6. Additional features of the HD Scart Stick
7. A channel scan of NILESAT 7° west
8. The preprogrammed satellite list is extensive and up-to-date
9. Even SCR single-cable solutions are supported



10. The HD Scart Stick supports the DiSEqC Protocols 1.0 and 1.1



11. The channel scan can, for example, be limited to HD channels only

12. Country selection to simplify coordinate entry with USALS

13. The modulation of a transponder is automatically recognized

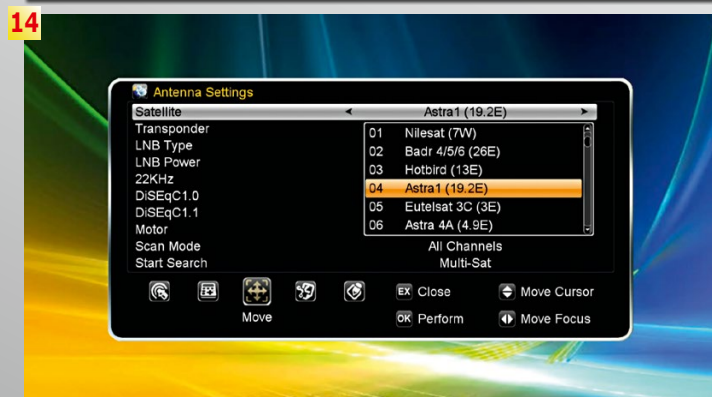
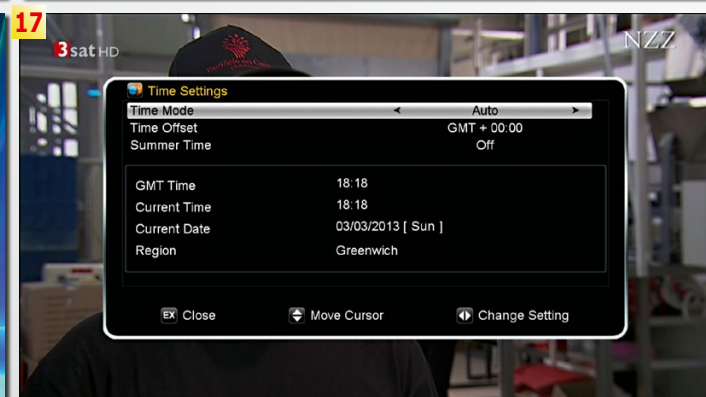
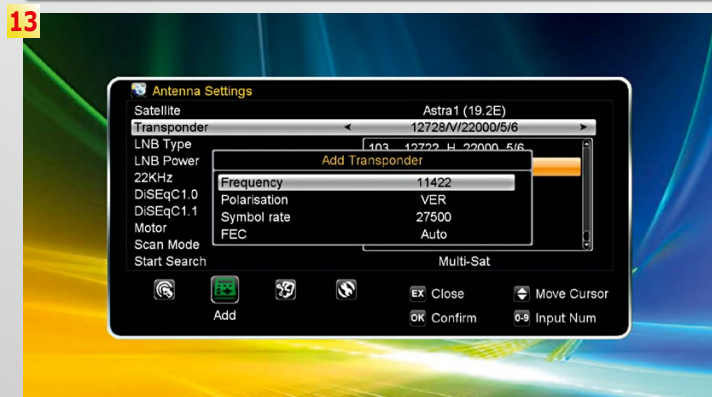
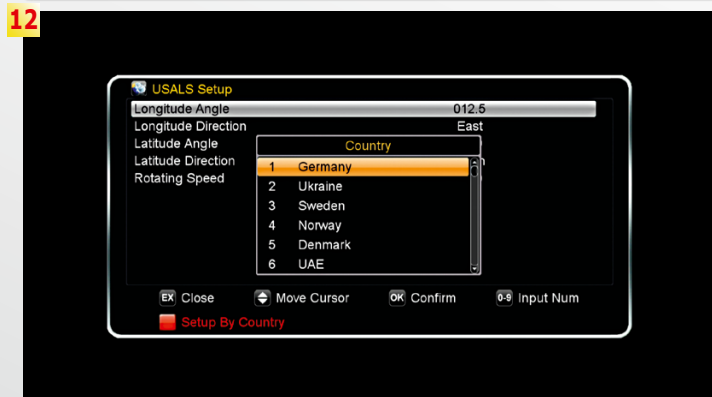
14. The satellite list can be sorted a number of ways by the user

15. Channel list editor

16. Favorites lists

17. Time settings

18. Timer entries can be repeated as often as necessary

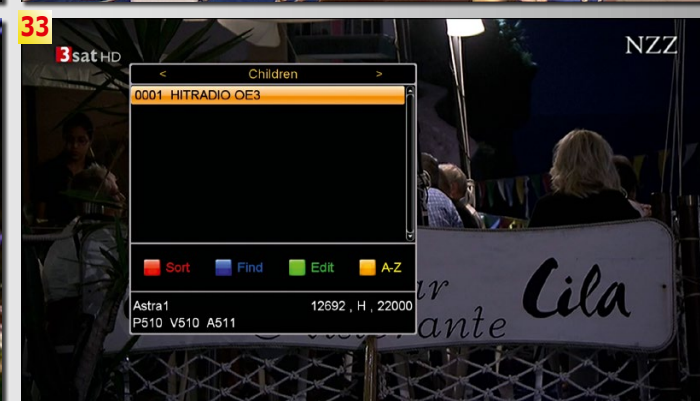
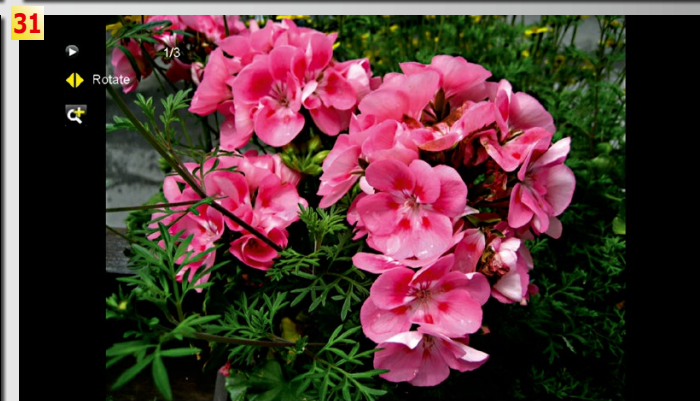
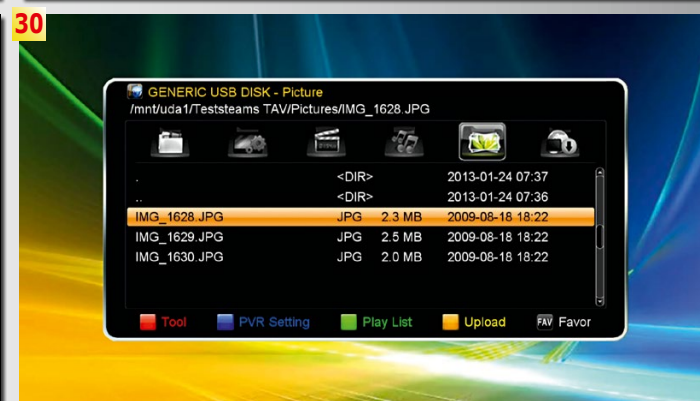
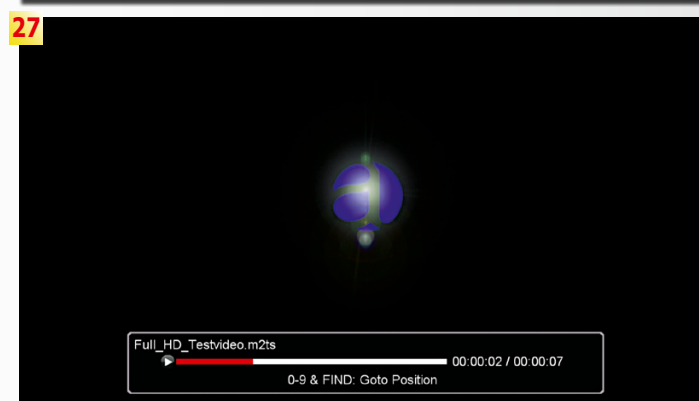
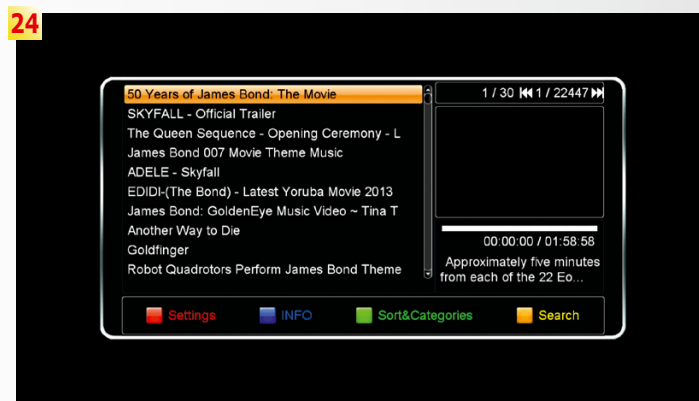
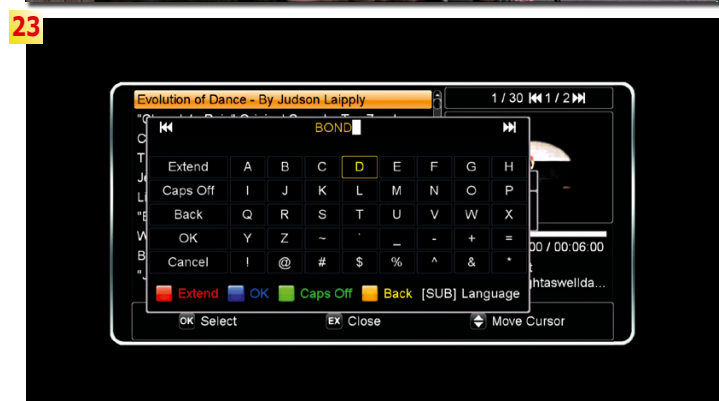
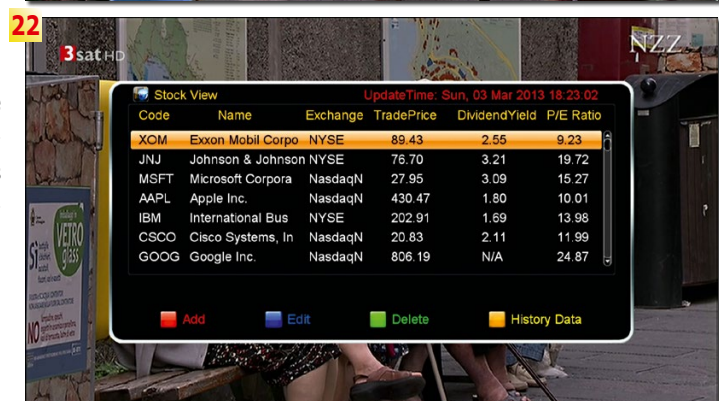
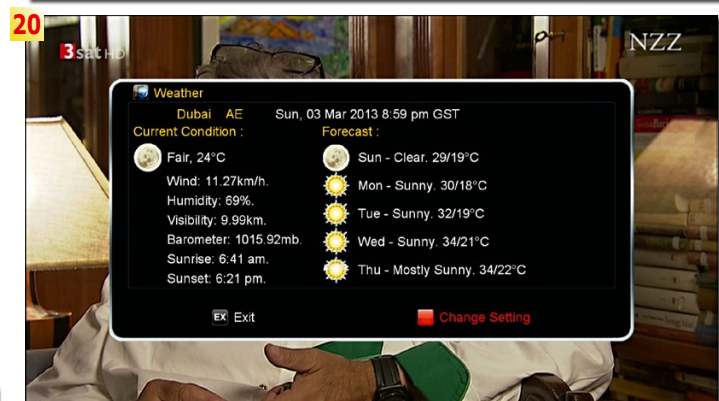


NEW

MODULATOR HD DVB-T / TNT HD-MOD-001T

- ▶ Integration of HD Encoder and DVB-T Modulator in one box.
- ▶ Various video input include: HDMI, Component Video (YPbPr) and Composite Video (CVBS)
- ▶ Multiple video format compatibility including 1080i, 720p, 576i, 576p, 480i and 480p
- ▶ Multiple audio format compatibility including MPEG-1 Layer II
- ▶ Fully comply with DVB-T standard
- ▶ Frequency range : 50~860MHz
- ▶ Programmable video/audio/PCR PID
- ▶ Programmable channel name and logical channel number insertion
- ▶ User friendly setup and control, Remote management through Telnet

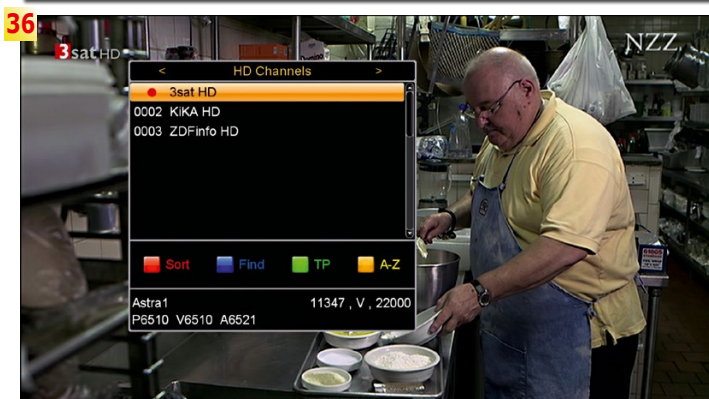
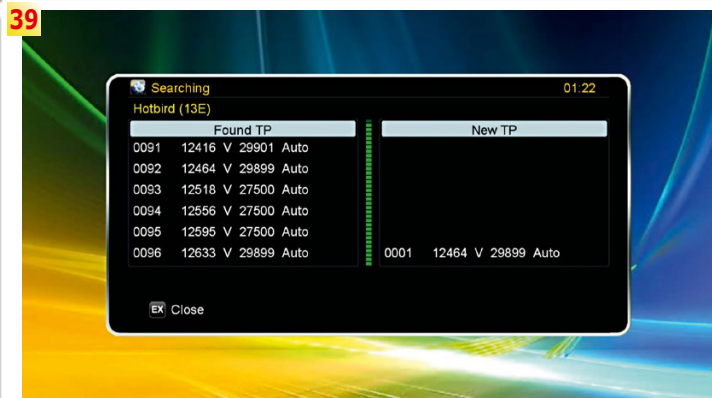
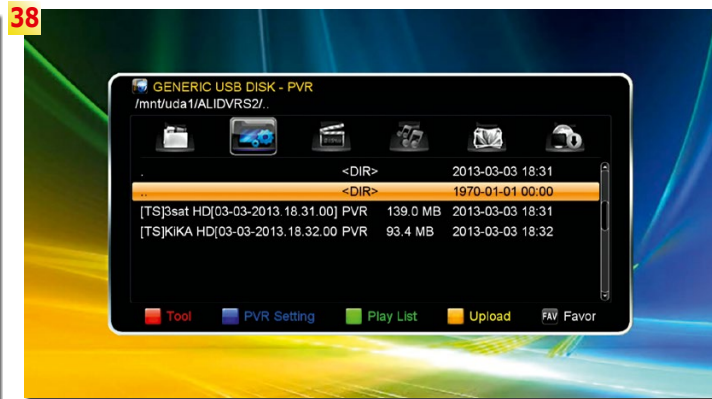




ognizes these parameters. All in all, we found the MK-TechHD Scart Stick's OSD to be very well organized and easy to use. The EPG overview covers the programming information for up to five channels as well as the upcoming information for the next program. Unfortunately, it's not a full-screen display and this takes away from the overall content that is displayed. The ability to program timer entries directly from the EPG makes up for this. Here you'll find features such as setting daily or weekly recordings.

the dedicated Favorites and Satellite list buttons on the remote control to be especially user-friendly as was the ability to select the upcoming information for the next program. Unfortunately, it's not a full-screen display and this takes away from the overall content that is displayed. **19. The HD Scart Stick provides a variety of additional features thanks to the network port**
20. Weather forecast
21. Currency exchange calculator
22. Display of stock prices
23. The YouTube App is graphically simple yet clearly designed
24. Search results on YouTube
25. AVI video playback
26. DivX video playback
27. M2TS video playback
28. MP4 video playback
29. MP3 Player
30. Photo viewer
31. Photo viewer
32. The Info bar shows the title of the current and upcoming program
33. Favorites list display

During our tests we found



- 34. Language selection
- 35. The user can use the OSD keyboard to search for one or more channels
- 36. During an active recording, channels that can't be received are removed from the channel list
- 37. Two channels can be recorded at the same time
- 38. Display of previously recorded programs
- 39. A satellite's transponder list is checked for new entries in Blindscan mode

put signal resolution and the capability to select various display modes in the 4:3 and 16:9 formats.

We really appreciated the extremely fast channel switching times of less than one second. And let's not forget the PVR features: we could easily record two HD channels at the same time while a third channel could be watched live.

All of the channels that

could not be received while a recording was taking place were conveniently removed from the channel list. The Timer function is also ready to go to work; when activated it stores the currently viewed program in one of the very large freely selectable caches.

After the tuner was able to prove itself during channel scans, we wanted to see how it would perform with weaker and narrow-band signals.

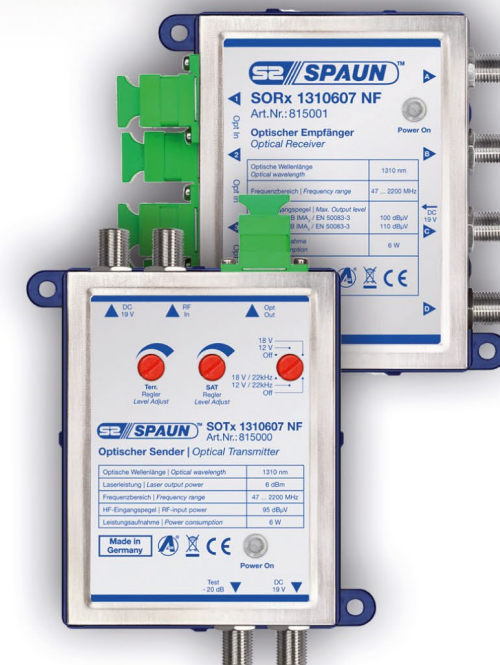
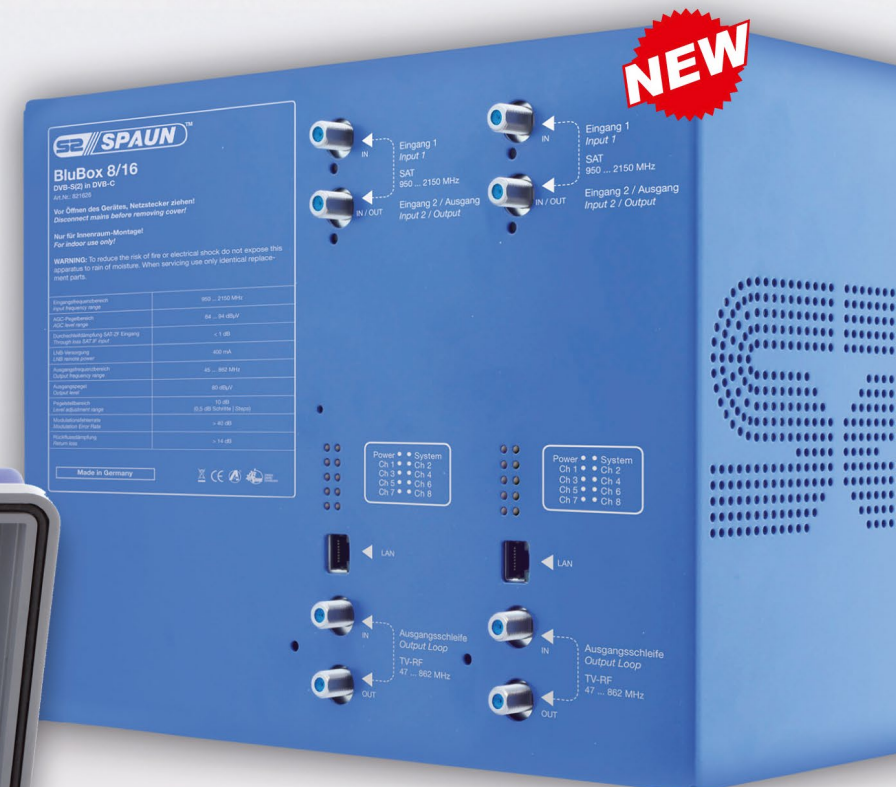
Compact Headend 8 / 16 x DVB-S(2) into QAM

- 8 / 16 x DVB-S(2) (QPSK/8PSK) into DVB-C (QAM)
- For the reception of 60/120 TV programs SD/HD and 30/60 Radio programs
- Compact dimensions and high energy efficiency
- LNB control with 14/18 V + 22 kHz or DiSEqC
- Configuration via LAN/IP
- Complete processing of the transport streams possible
- All 8 / 16 output channels can be placed individually in the spectrum
- Two individual input ports



SAT-HD-ANALYZER

- SPAROS SAT HD
- High quality and bright display (4.3 inch)
- MPEG4-display and measuring
- SCR single cable switching commands according to EN 50494
- DiSEqC control
- Spectrum analysis
- Robust, impact-resistant housing
- Splash-resistant keypad



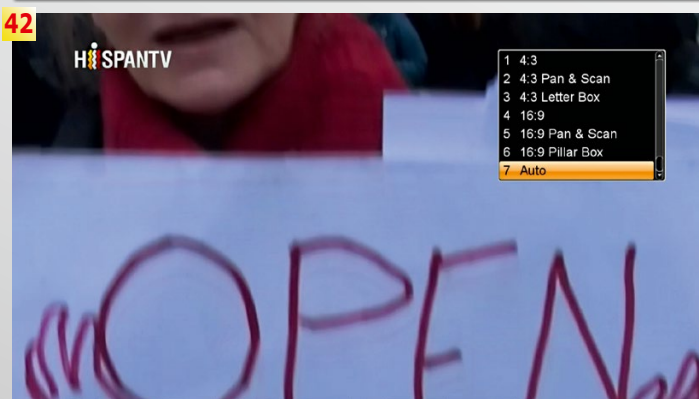
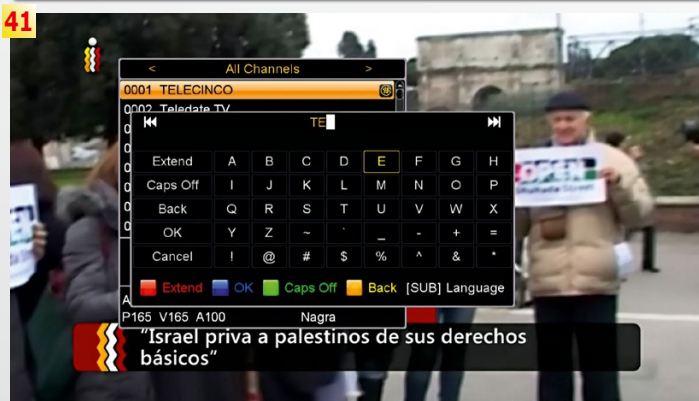
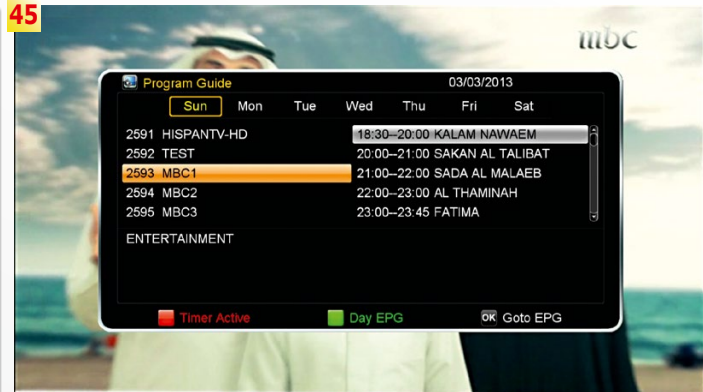
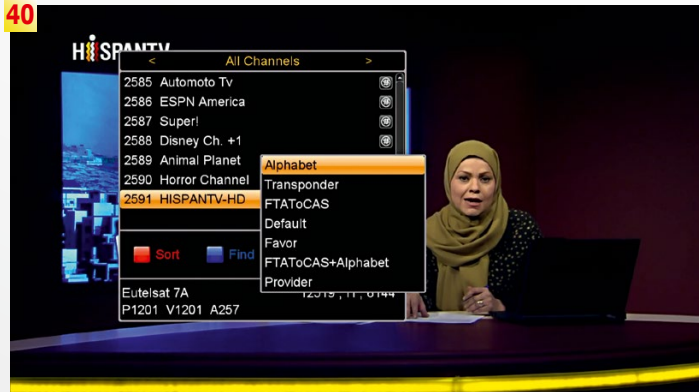
Optical Transmitter

- SOTx 1310607 NF
- Frequency range of 47 ... 2200 MHz
- Laser output power: +6 dBm
- Quattro- and QUAD-LNB support

Optical Receiver

- SORx 1310607 NF and SORx 1310607/1 NF
- 4-way / 1-way receiver in a compact housing
- Remote powerable through one coaxial output

- 40. Channel list sorting capabilities
- 41. The user can use the OSD keyboard to search for one or more channels
- 42. The video format can be selected using a dedicated button on the remote control
- 43. The video resolution can be selected using a dedicated button on the remote control
- 44. The info bar shows the title of the current and upcoming program
- 45, 46. EPG
- 47. Timer entries can be set up directly from the EPG
- 48. SCPC with low symbolrates are not a problem for the HD Scart Stick's tuner



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- 49. Channel list editing
- 50. The channel list can be automatically sorted a number of ways
- 51. Once the channel list has been set up the way you want, it can be stored in case of emergency
- 52. Language settings
- 53. OSD settings
- 54. Child protection settings

In both cases there were no problems; it was able to process a weak signal on AS-TRA2D 28.2° east that just barely broke the threshold level here in our test center as well as a narrow-band SCPC signal on EUTELSAT 36° east.

On top of all this, the MK-TechHD Scart Stick is packed with a variety of additional

practical features. Thanks to the Ethernet port the user can access weather data, stock prices, RSS feeds or an FTP server. There's also a currency conversion calculator available. Naturally, we also put the HD Scart Stick's multimedia functions to the test. We were able to play back video clips in the DivX, MOV, AVI, MPEG, Flash, M4P,

TS and WMV formats without any problems. Unfortunately, audio playback was limited to MP3 files; M4A, WMA and AAC were not recognized. The integrated photo viewer lets you easily display BMP and JPEG images on your TV at home.

In addition to storing recordings and providing access to multimedia content,

the USB port can also be used to update the receiver's software. The manufacturer provides updates via their web site at regular intervals.

Overall, we really liked the HD Scart Stick from MKTech. They've demonstrated with this new product that the days of Scart receivers won't go away any time soon.

EXPERT OPINION

MKTechHD Scart Satellite Receiver RECOMMENDED PRODUCT BY

Thomas Haring
Test Center
Austria

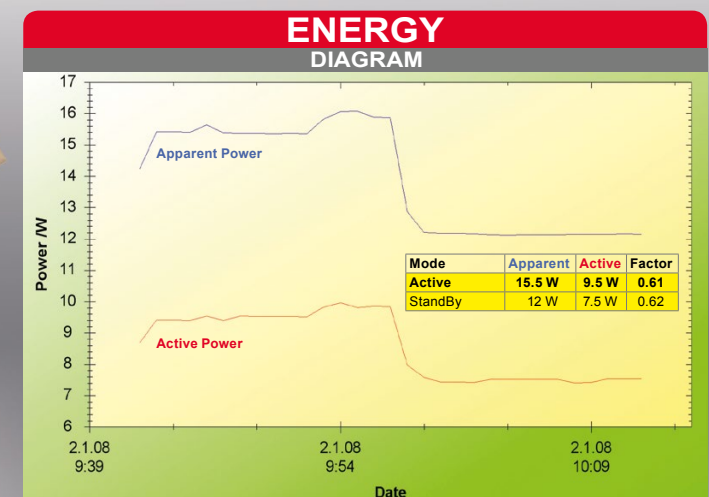
VIP

CARD www.TELE-audiovision.com

+ The HD Scart Stick stands out with its extremely powerful tuner that can be perfectly controlled with the receiver's software. It provides for exceptional results and comes with an easy and clearly structured user interface as well as a very thoughtful and good implementation of all the expected features.

- None

TECHNICAL DATA	
Manufacturer	Gotech International Technology Co., Ltd.
Address	66 Yongda Road, Hongqi, ZhuHai 519045, Jinwan, CHINA
Contact	www.gotechcn.com/Enquiry.asp
Internet	www.gotechcn.com
Model	HD Scart Stick
Function	DVB-S2 Satellite Receiver
Input frequency	950 - 2150 MHz
Input symbol rate	2 - 45 Ms/s
DiSEqC	1.0, 1.1, 1.2, 1.3
HDMI	yes
Digital Audio out	yes (coaxial)
USB 2.0	yes
CI Slot	no
Card Reader	yes
Stereo Audio, CVBS	no
Scart	yes
Ethernet	yes
RS232	yes
0/12V	no
EPG	yes
HDTV	yes
PVR	yes
WebTV	no
Dimensions	14 x 8 x 3 cm
Weight	170g
Power Supply	100 - 240V AC 50/60 Hz



Energy: The first 15 minutes active operation; the second 15 minutes Standby

